CIA-RDP86-00513R001550130009-7 "APPROVED FOR RELEASE: 08/09/2001

(MIRA 16:5)

KHIL'CHEVSKIY, V.V., kand.tekhn.nauk; SHUL'GINOV, V.S., aspirant Determination of the elastic modulus and damping capacity. Izv.vys. ucheb.zav.; mashinostr.no.1:40-43 163.

> 1. Kiyevskiy politekhnicheskiy institut. (Plastics--Testing)

公司公正式1035H305位第五名五百名时的1000元之。

STARUKHIN, N.M., nauchnyy sotrudnik; SHUL GINOVA, M.H., nauchnyy sotrudnik; SOLOV YEVA, T.P., nauchnyy sotrudnik; SUGROBOV, N.P., nauchnyy sotrudnik; pri uchastii rabotnikov Lozhnikova, N.N., Lagoda, S.G. i Shishmilo, N.N.; SKVORTSOVA, I.P., red.izd-va; GUSEVA, S.S., tekhn.red.; BOROVNEV, N.K., tekhn.red.

[Construction of a multistory frame-panel apartment house in Moscow]
Opyt stroitel'stva karkasno-panel'nogo mnogcetazhnogo zhilogo doma
v Moskve. Moskva, Gos.izd-vo lit-ry po stroit.arkhit. i stroit.
materialam, 1958. 67 p. (MIRA 11:6)

1. Akademiya stroitel'stva i arkhitektury. Institut organizatsii i mekhanizatsii stroitel'stva. 2. Sektor organizatsii zhilishchnogo i grazhdanskogo stroitel'stva Nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii stroitel'stva (for Starukhin, Shul'ginova, Solov'yeva, Sugrobov). 3. Stroitel'no-montazhnoye upravleniye No.6 tresta Moszhilstroy Glavmosstroya (for Lozhnikov, Lagod, Shishmilo)

(Moscow-Apartment houses)

STARUKHIN, N.M., nauchnyy sotrudnik; SHUL'GINOVA, M.N., nauchnyy sotrudnik; SOLOV'YEVA, T.P., nauchnyy sotrudnik. Primala uchastiye YEVSINA, A.I., starshiy tekhnik. SKYORTSOVA, I.P., red.izd-va; TEMKINA, Ye.L., tekhn.red.

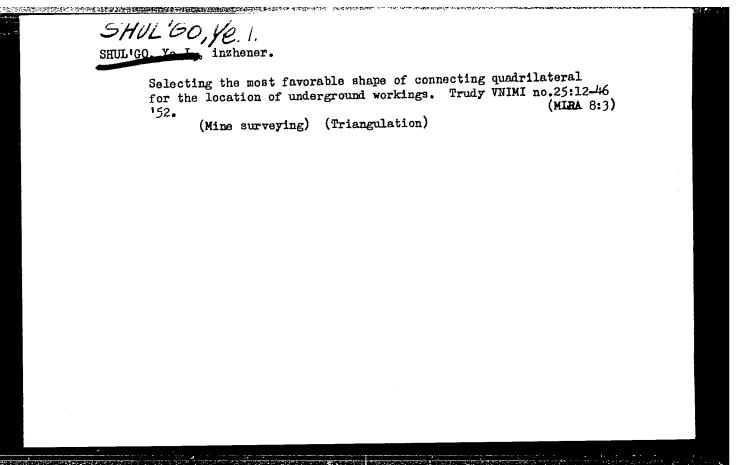
CASE NOTE OF THE PROPERTY OF T

[Construction of an experimental residential block in Moscow]
Opyt stroitel'stva eksperimental'nogo zhilogo kvartala v Moskve.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam.
1959. 110 p. (MIRA 13:2)

1. Akademiya atroitel'atva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi atroitel'atvu.

2. Sektor organizatsii zhilishchnogo atroitel'atva i tekhnologii proizvodatva rabot Nauchno-issledovatel'akogo instituta organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi atroitel'atvu (NIIOMTP) (for all except Skvortsova, Temkina).

(Moscow--Apartment houses)



。中心中心,所**把那些私生的这种生产的**

AVERSHIN, S.G., prof., doktor tekhn. nauk, red.; BLOKHA, Ye. Ye., gornyy inzh., red.; BUTKEVICH, T.V., gornyy inzh., red.; KRIKUNOV, L.A., gornyy inzh., red.; LISHUTIN, B.G., gornyy inzh., red.; OGLOBLIN, D.N., prof., doktor tekhn. nauk,, red.; CMEL'CHENKO, A.N., kand. tekhn. nauk, red.; RYZHOV, P.A., prof., doktor tekhn. nauk,; GLAZENAP, K.K., inzh., red.; KONSTANTINOVA, L.F., inzh., red.; NIKITINA, M.M., inzh., red.; NOVOSELOVA, Yu. A., inzh., red.; SHUL'GG, Ye. I., inzh., red.; YAKOVLEV, M.G., inzh., red.; RASHKOVSKIY, Ya.Z., inzh., red.; STEL'MAKH, A.H., red.; izd-va,; BERLOV, A.P., tekhn. red.; NADEINSKAYA, A.A., tekhn. red.

[Transactions of the All-Union Scientific and Technical Conference on Mine Surveying July 17-23, 1956] Trudy vaesoiuznogo nauchnotekhnicheskogo soveshchania po marksheiderskomu delu 17-23 iulia 1956 g. Moskva, Ugletekhizdat, 1958, 743 p. (MIRA 11:12)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po marksheyderskomu delu. 1956. (Mine surveying)

FILATOV, S.A., kand.tekhn.nauk; SHUL'GO, Ye.I., inzh.

Analysis of accuracy in the underground running of trigonometric leveling. [Trudy] VNIMI no. 33:32-53 '58. (MIRA 14:5) (Mine surveying)

FILATOV, S.A., kand.tekhn.nauk, otv.red.; RASHKOVSKIY, Ya.Z., starshiy inzh., red.; NIKIFOROV, B.I., prof., doktor tekhn.nauk; SHUL'GO, Ye.I., inzh., starshiy nauchnyy sotrudnik. Prinimali uchastiye: MIL'NER, Ye.S., inzh., red.; ZEBODE, I.V., inzh., red. SLAVOROSOV, A.Kh., red.izd-va; LOMILINA, L.N., tekhn.red.

[Technical instructions on mine surveying] Tekhnicheskaia instruktsiia po proizvodstvu marksheiderskikh rabot. Leningrad, Ugletekhizdat, 1959. 371 p. (MIRA 13:12)

1. Nachal'nik otdela metodiki marksheyderskikh rabot Vsesoyuznogo nauchno-issledovatel'skogo marksheyderskogo instituta (for Filatov).

2. Tekhnicheskoye upravleniye Gosgortekhnadzora SSSR (for Rashkovskiy).

3. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut (for Shul'go). 4. Glavnyy marksheyder ugol'nogo kar'yera No.1 tresta Korkinugol' (for Mil'ner). 5. Nachal'nik tekhnicheskogo otdela Soyuzmarkshtresta (for Zebode).

(Mine surveying)

DANILEVICH, M.V., red.; SHUL'GOVSKIY, A.F., red.

《大学》,1987年代,第175年的

[Problems of present-day Latin America] Problemy sovremennoi Latinskoi Ameriki. Moskva, 1959. 429 p. (MIRA 13:8)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

(Latin America--Economic conditions)

CRECHEV, M.A., kand. ekon. nauk; KLESMET, O.G., kand.ekon. nauk;

TARASOV, K.S., kand. ekon. nauk; DANILEVICH, M.V.,

doktor ekon. nauk; YURLOV, A.F., kand.ekon. nauk;

ONUFRIYEV, Yu.G.; ROMANOVA, Z.I., kand. ekon. nauk;

SHEREMET'YEV, I.K., kand. ekon. nauk; SHUL'GOVSKIY,

A.F., kand. istor. nauk; KALININ, A.I., kand. iurid. nauk;

AVARINA, V.Ya., doktor ekon. nauk, red.; BAYKOV, V.S., red.;

KOVALEV, A.P., red.izd-va; KASHINA, P.S., tekhn. red.

THE REAL PROPERTY OF THE PARTY OF THE PARTY

[Econonomic problems of Latin American countries] Ekonomicheskie problemy stran Latinskoi Ameriki. Moskva, Izd-vo AN SSSR, 1963. 511 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

SHUL'GOVSKIY, F., general-leytenant inzhenerno-tekhnicheskoy sluzhby
v otstavke
;
IAkov Smushkevich. Av.1 kosm. 45 no.7:87 '62. (MIRA 15:8)
(Smushkevich, IAkov Vladimirovich, 1902-1941)

VERTINSKIY, K.I., prof.; ALIKAYEV, V.A., dotsent; PODKOPAYEV, V.M., dotsent; SHISHKOV, V.P., dotsent; ANDREYEV, I.A., veterin. vrach (Moskovskaya obl.); VLASOV, V.P., veterin. vrach (Moskovskaya obl.); MAMAYEV, A.P., veterin.vrach (Moskovskaya obl.); SHUL'GOVSKIY, I.P., veterin. vrach (Moskovskaya obl.)

CONTROL NO CONTROL OF THE PROPERTY OF THE PROP

Diagnosis, therapy, and prophylaxis of toxic dyspepsia in calves. Veterinariia 41 no.1:59-64 Ja '65. (MIRA 18:2)

1. Moskovskaya veterinarnaya akademiya (for Vertinskiy, Alikayev, Podkopayev, Shishkov).

SHULIGOVSKIY, Y.V.

Bicelectrical activity of solitary neurous of the olfactory bulb in rabbits at various periods following deafferentation. Zhur. vys. nerv. delat. 16 no. 1:112-116 Ja-F 166 (MIRA 19:2)

1. Rafedra fiziologii vysshey normoy deyatel nosti Moskovskogo gosudarstvennose universiteta imeni U.V. Lomonosova i Institut defektologii /kademii pedagogicheskikh nauk RSFSR, Moskva. Submitted November 13, 1964.

ACC NRI ARGO35292

SOURCE CODE:

AUTHOR: Fialko, Ye. Y.; Moysya, R. I., Mel'nyk, V. I.; Kolomiyetsi, H. I. -- Kolomiyetsi A. R. Vonellinger, J. M. Chullba A. J. Voullagher, A. Vo. Kolomiyets', A. R.; Yemel'yanov, I. M.; Shul'ha, A. I.; Yavlins'kyy, A. Ya.

TITLE: Radar set for observing the drift of meteor trails.

SOURCE: Ref. zh. Astronomiya, Abs. 9.51.411

REF SOURCE: Visnyk Kyyivs'k. un-tu. Ser. astron., no. 7, 1966, 69-74

TOPIC TAGS: meteor trail, radar antenna, radar meteor observation, train drift

ABSTRACT: A description is given of a radar set designed at the Department of

General Radio Engineering of Kiev University and which is intended for measuring the velocity and direction of the drift of ionized trains. The basic parameters of the equipment are as follows: frequency 34, 47 mc; transmitter pulse power 100 kw; pulse duration 10 Wsec; sending frequency 500 cps; each fifth pulse is doubled; pulse unration to whee, beining frequency due cps; each min pulse is doubted; receiver sensitivity ~ 3 Mv; receiver passband 600 kc. Identical type wave-duct five-element antennas are used for reception and transmission measurements of the drift velocity radial component is carried out by the pulse-coherent method. The

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UDC: 523, 164, 85

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SUB CODE: 03, 09/	
Cord 2/2	

USSN/Microbiology - Microorganisms Pathogenic to Humans and

F-4

Animals.

Abs Jour

: Ref Zhur - Biol., No 10, 1958, 43348

Author

: Shulichenko, A.I.

Inst

Title

: Study of Child Reactivity to Subcutaneous and Intronasal

Immunization by Scarlet Fever Toxin.

Orig Pub

: Tr. Kharkovsk. n.-i. in-ta vaktsin i syvorotok, 1957, 24,

107.

Abstract : No abstract.

Card 1/1

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SHULICHENKO

USSR / Microbiology. Microbes Pathogenic to Man and F-5 Animals. Bacteria. Bacteria of the Intestinal Group.

mbs Jour: Ref Zhur-Biol., No 16, 1958, 72182.

: Romashko, Yu. V.; Shulichenko, ... I.; Ischenkonuthor

Linnik, K. M. : Kharkov Scientific-Research Institute of Vaccine

: Enteral Vaccination as a Method of Development of Inst Title

Chronic Dysentery.

Orig Pub: Tr. Khar'kovsk. n.-i. in-ta vaktsin i syvorotok,

1957, 24, 241-249.

Abstract: No abstract.

card 1/1

MIKULINSKAYA, R.M.; FYADINA, D.D.; DROMASHKO, A.I.; SHULICHENKO, A.I.; ROMASHKO, YU.V.; ZLATOPOL'SKAYA, R.D.; BERCOL'TSEVA, L.A.; VEREZUB, L.G.; CHAYKINA, T.N.; YEMEL'YANOVA, O.I.; GINZBURG, L.YA.; GOLODYUK, L.F.; RUMYANTSEVA, I.V.; VYCHEGZHANIN, A.G.; GOL'DENBERG, R.A.

Data on the study of the epidemiological effectiveness of vaccination agains influenza in Kharkov in Octover 1957. Vop.virus. 4 no.4:407-411 Jl-Ag 159.

1. Khar'kovskiy institut vaktsin i syvorotok imeni I.I. Mechnikova. (INFIUENZA, prevention & control)

SHULICHENKO, A. I. Cand Med Sci -- "Application of enteric vaccination for the detection of patients affected with chronic, atypical, and effaced forms of dysentery." Khar'kov, 1960 (Khar'kov Med Inst). (KL, 1-61, 212)

-449-

BARANSKA-GACHOWSKA, Maria; LUCIAK, Mieczyslaw; SHULIK, Jozefa

SANTON CONTRACTOR OF THE PROPERTY OF THE PROPE

The influence of estrogens and progesterche on the mucous membrane of the oral cavity in albino rats. Czas. stomat. 18 no.11:1285-1291 N ' 65.

1. Z Zakladu Stomatologii Zachowawczej Slaskiej AM w Zabrzu (Kierownik: doc. dr. W. Zaleski) i z Zakladu Anatomii Patologicznej Slaskiej AM w Zabrzu (Kierownik: prof. dr. W. Niepolomski).

ASD(m)-3/ASD(f)/SSD/motor: 17/ EWT (m)/EFF(n)-2/EWP(q)/EWP(b) L 6694-65 AFWL/ESD(t)/RAEM(t) JD/JG/MLK 5/0000/64/000/000/0059/0066 ACCESSION NR: AT4046328 AUTHOR: Bogdanova, V. I.; Shullk, L. S. TITLE: Acid chrome violet "K" as a reagent for molybdenum SOURCE: AN SSSR. Institut geologii rudny*kh mestorozhdeniy, petrografii, mineralogii i geokhimii. Khimicheskiy analiz mineralov i ikh khimicheskiy sostav (Chemical analysis of minerals and their chemical composition). Moscow, Izd-vo Nauka, 1964, 59-66 TOPIC TAGS: azo dye, acid chrome violet, molybdenum, quantitative analysis, complex formation, molybdenum determination, colorimetric analysis ABSTRACT: The reaction between molybdenum and the azo dye acid chrome violet "K" (ACVK) has been proven to be satisfactory for the quantitative determination of molybdenum. Since ACVK imparts a red-violet color to molybdenum, a light filter with a maximum at 570-80 mu was selected for the spectrophotometric measurement. It was found that with 5 ml of a 0.03% acetone-H₂0 solution (1:1) of ACVK in 50 ml of solution, Beer's law is observed over the range 10-100 μg of Ho. The use of 15 ml ACVK in a 50 ml volume extends the compliance range to 10-400 μg. With an increase in dye concentration, the slope of the line becomes steeper, and the method more sensitive. This was borne out by molar extinction coefficient values.

L 6694-65 ACCESSION NR: AT4046328 The slope changes are probably due to complex formation by molybdenum; these complexes are quite stable with time (1-24 hrs.). A deviation in the maximum absorption (not exceeding 10%) is also seen with varying quantities of ACVK. Increasing the acidity of the molybdenum complex and ACVK with 2-10 ml HCl (1:1) in 50 ml causes an insignificant change in optical density (10%). The determination of Mo is not hindered by the presence of Li, Te, Na, Cu, Mg, Ca, Zn, Sn, Ce, Sb, Cd, Pb, Ni, Al, La or Ti. Zr and W do not interfere in small quantities (Zr up to 100 µg and W up to 1000 µg), but Nb does interfere. The anions Ci, F, NO3, BO3, SO4, PO4 and CO2 have no effect. Tartaric and citric acid in large quantities lower the molybdenum complex extinction, and oxalate ion destroys the Mo complex. Interference by Nb can be eliminated by the use of NH4F. To counteract the effect of Zr, a 2% Trilon solution was used. Orig. art. has: 6 figures, 3 tables, and 3 structural formulas. ASSOCIATION: Institut geologii rudny*kh mestorozhdeniy, petrografii, mineralogii I geokhimil, AN SSSR (Institute of Mine Site Geology, Petrography, Mineralogy and Geochemistry, AN SSSR) SUB CODE: IC ENCL: 00 SUBMITTED: 16Apr64 NO REF SOV: 012 OTHER: 004 2/2

MARKIN, A.Ye.; SHULIK, Ye.M.

Increasing the cutting speed of disk shears. Shor.rats.predl.vnedr.v (MIRA 14:7) proizv. no.1:16-17 '61.

1. Alchevskiy metallurgicheskiy zavod. (Shears (Machine tools))

The first of the f	ESERTICAL.
1 19907-6/ (A) SOURCE CODE: UR/0198/66/002/007/0058/0064 ACC NR: AP6026795 (A) SOURCE CODE: UR/0198/66/002/007/0058/0064	
ACC NR: Ardozoff	
AUTHOR: Mitkevich, V. M. (Khar'kov); Shurika, S. Marbanics AN UkrSSR	
ORG: Khar'kov Branch, <u>Institute of Mechanics</u> , <u>AN UkrSSR</u> (Khar'kovskiy filial Instituta mekhaniki AN UkrSSR) TITLE: The effect of stiffening shallow <u>shells</u> of revolution subject to symmetrical	
TITLE: The effect of stiffening shallow shells	
loading 7 1966 58-64	
SOURCE: Prikladnaya mekhanika, v. 2, no. 7, 1966, 58-64 SOURCE: Prikladnaya mekhanika, v. 2, no. 7, 1966, 58-64 TOPIC TAGS: revolution shell, conical shell, conical shell frustum, stiffened shell, computer colculation, computer colculation, starting properties at methan at meture, at aim, classic at mean computer colculation, starting of the relationship between the stiffening of	
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J. 20197-16 ACC NR: AP6026795

at the Institute of Mechanics of the Academy of Sciences Ukrainian SSR was utilized. The calculations were carried out for frustums of conical shells of constant thickness (plain and stiffened by constant-cross-section stringers). The bottom base of the shells was fixed; the upper was free. Two cases of loading were considered: constant internal pressure and axial force. The results obtained are plotted in diagrams and compared, and the effects of stiffening on certain stress and strain parameters for various slope angles are discussed. Orig. art. has: 5 figures, 1 table, and 10 formulas.

SUB CODE: 20/ SUBM DATE: 020ct65/ ORIG REF: 006/ ATD PRESS:5050

Card 2/2 1/5

SHULIKA, L.G., inshener.

Changes in the pressure-responsive device for regulating the output of 55-V compressors. Prom. energ. 11 no.10:13 0 '56. (MIRA 9:11)

1. Zavod "Svet shakhtera."

(Air compressors)

Shulland, m. H., meacar Agric Sci-(ulst) "The structural and physiological characteristic of the silk-producing glands of mighty productive types of silkworm."

Astronomy, 1957, 1992. (Min Agric USER. Tashkent Agric Inst), 130 copies.

(Min, No. 41, 1957, p. 109)

SHULIKA, M.N. Characteristics of the silk gland in highly productive varieties of silkworms. Izv.AN Turk.SSR no.2:86-91 '57. (MLRA 10:5) 1. Turkmenskiy nauchno-issledovatel skiy institut zhivotnovodstva i veterinarii. (Silkworms)

MAMFDNIYAZOV, O.N.; SHULIKA, M.N.; GLADYSHEVA, L.Ye.; BUSHLYAKOVA, N.D. BIRYUKOVA, N.V.

न रिकामित न रेसिन्सिक्सिस स्थापका स्थापना स्थापना

Effect of vitamins B₁₂ and B₆ on the growth and development of silkworm caterpillars. Izv. AN Turk. SSR. Ser. biol. nauk no.3:50-54 '65. (MIRA 18:9)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

Q

USSR/Farm Animals. Silkworm.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78856.

Author : Shulika, M.N.
Inst : AS Turkmen SSR.

Title : Features of the Silk-Excreting Glands of High

Productive Breeds of Bombyx.

Orig Pub: Izv. AN TurkmSSR, 1957, No 2, 86-91.

Abstract: The histological structure and secretory activity was studied of the silk-excreting glands (SC) of the bombyx breeds Shantung, Caucasus Green, Japanese bivoltine 115, Bagdad, SANIISh / Central Asia Scientific Research Institute of Sericulture/-E2, SANIISh-11 X SANIISh-18 and Chinese 108. Size and number of cells were studied in the various sections of the gland in caterpillars of the V

Card : 1/

MAMEDNIYAZOV, O.N.; SHULIKA, M.N.; KASPAR'YANTS, L.R.; GLADYSHEVA, L.Ye.

Data on the content of nucleic acids in silk glands of different varieties of silkworms. Izv. AN Turk. SSR. Ser. biol. nauk no.1:67-69 162. (MIRA 15:3)

MAMEDNIYAZOV, O.N.; SHULIKA, M.N.; GLADYSHEVA, L.Ye.; BUSHIYAKOVA, N.B.

Effect of vitamin B₁₂ on the growth and development of caterpillars and the manifestation of jumdice in mulberry silkworm. Izv. AN Turk. SSR. Ser. biol. nauk no.2:30-34 '64. (MIRA 17:6)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

SHULIKA, N. G., KRUPNIK, L. I.,

"Plasma Study by Fast Particle Beam Sonding"

report presented at the 6th Intl. Conf. on Ionization Phenomena in Gases, Paris, France, 8-13 Jul 63

s/0000/63/000/000/0154/0162

ACCESSION NR: AT4025305

Control of the Material and Alexander

AUTHORS: Konovalov, I. I.; Krupnik, L. I.; Onishchenko, I. N.;

Shulika, N. G.

TITLE: Use of mass spectrograph to obtain quantitative data on the composition of plasmoids

SOURCE: Diagnostika plazmy* (Plasma diagnostics); sb. statey. Moscow, Gosatomizdat, 1963, 154-162

TOPIC TAGS: plasmoid, plasma source, mass spectrograph, ionized plasma, plasma research, magnetic mirror

ABSTRACT: In order to prevent the polarization of a slow plasma and other effects from distorting the results of mass-spectrographic analysis of the plasma, an instrument is proposed in which the ion beam is drawn out from the analyzed plasma and is simultaneously accelerated to 20 keV in the gap of the mass spectrograph. The ener-

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***大学,1950年发生的是我们的企业中的企业。

gy spectrum of the plasma ions appears as a corresponding spread over this constant level. The construction of the mass spectrograph is described briefly. The ions were registered with thin-layer emulsions which could be moved in and out of the mass spectrograph without breaking the vacuum. Individual experiments were made to study the density of the image produced on the emulsion as a function of the number of H₁, H₂, H₃, He₄, C₁₂, N₁₄, and O₁₆ positive ions with energies from 10 to 20 keV. The apparatus used to calibrate the photographic emulsions is described. Much space is devoted in the article to the various factors influencing the emulsion density. The method described was used to obtain the mass-spectroscopic and energy characteristics of conical and coaxial plasma sources. It is concluded that the described method can be used to extract a great variety of information on the properties and behavior of the plasma. Orig. art. has: 9 figures and 1 table.

ASSOCIATION: None

Card 2/5

ACCESSION NR: AT4025305

SUBMITTED: 190ct63 DATE ACQ: 16Apr64 ENCL: 02

SUB CODE: ME NR REF SOV: 001 OTHER: 003

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ACCESSION NR: AT4025311

SECTION STREET, SECTION OF THE PROPERTY OF THE

s/0000/63/000/000/0212/0222

AUTHORS: Krupnik, L. I.; Shulika, N. G.

TITLE: Investigation of plasmoids by means of a beam of fast neutral atoms

SOURCE: Diagnostika plazmy* (Plasma diagnostics); sb. statey. Moscow, Gosatomizdat, 1963, 212-222

TOPIC TAGS: plasmoid, plasma source, plasma density, discharge plasma, plasma research, plasma interaction

ABSTRACT: An experimental setup was constructed making it possible to probe hydrogen plasmoids by means of a beam of fast neutral hydrogen atoms. The operation of the apparatus is described and the effect of the presence of unionized gas molecules in the plasma and of heavy-ion and heavy-atom impurities in the plasma is analyzed.

A Thompson mass spectrometer was used to monitor the purity of the

Card 1/4 _____

ACCESSION NR: AT4025311

plasma (permissible impurity content 20%). The method has been employed to study the density and structure of a plasmoid produced by a conical plasma source. The quantities measured were the attenuation of the neutron beam in the chamber without a discharge, the interaction between the neutral beam and the plasmoid, the interaction between the neutral beam and the frontal part of the plasmoid, the dependence of the plasmoid density on the plasma source voltage, and the effect of the magnetic field on the density of the plasmoid traveling through a large distance. At a density of approximately 10^{15} cm⁻³ the attenuation of the sounding beam reached 70-80%. The measurement error does not exceed 20%. Orig. art. has: 7 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 190ct63

DATE ACQ: 16Apr64

ENCL: 02

SUB CODE: ME

NR REF SOV: 004

OTHER: 001

Card ____ 2/4

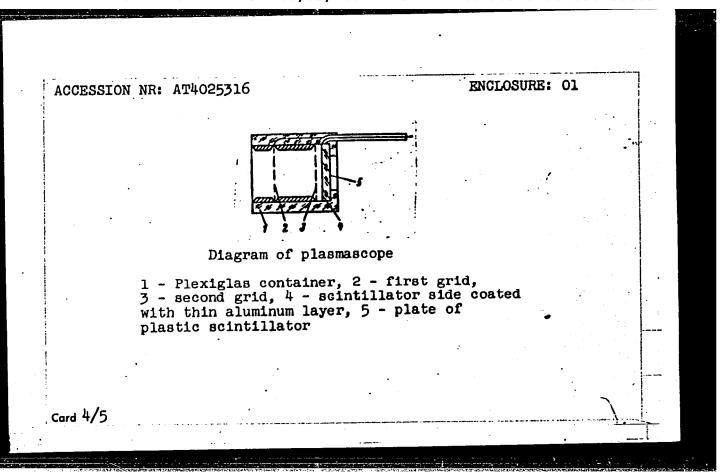
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ACCESSION NR: A	r4025316	s/0000/63/000/000/0256/0262
AUTHORS: Krupni	k, L. I.; Shulika	, N. G.
TITLE: Use of p	lasmoscope for vi	sual observation of the behavior of magnetic field
SOURCE: Diagnos Moscow, Gosatomi	tika plazmy* (Pla zdat, 1963, 256-2	sma diagnostics); sb. statey. 62
TOPIC TAGS: pla acceleration, di	smoid, plasma res scharge plasma	earch, plasma density, plasmoid ,
formations of lo	w density (10 ¹⁰	e) for visual observation of plasma $^{-10}$ cm ⁻³), first described by tye termoyaderny*ye reaktsii, M., and slightly to use to observe the to $^{-3}$ moving in a longi-
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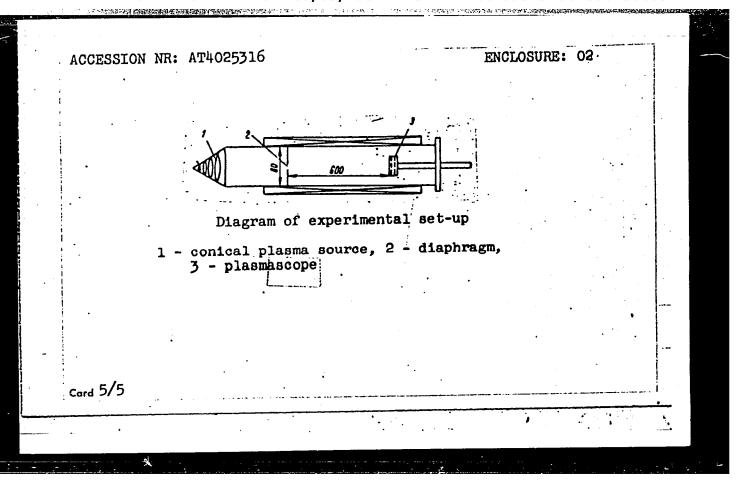
ACCESSION NR: AT4025316

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tudinal magnetic field. The optimal plasmoscope parameters necessary for the purpose are established and the dependence of the diameter of the dense part of the plasmoid on the magnetic field applied along the plasmoid propagation axis was determined by photography. It was found originally that in magnetic fields with H > 800 Oe the plasmoid remained practically constant in diameter. However, a recheck on the result, by reducing the number of grounded grids and thereby increasing the density of the plasma reaching the scintillator, showed that the diameter decreases with decreasing number of attenuating grids. In an attempt to explain this fact it is suggested that with decreasing number of grids a larger current charges the plasmoscope capacitor before the bulk of the plasma reaches it. This hypothesis was checked experimentally by using different capacitors in the plasmoscope supply circuit. The results confirm the assumptions that the plasmoid increases from its "head" towards its "tail" and predicts the possibility of determining the variation of the plasmoid cross section along its length by apply-

ACCESSION NR:	AT4025316			
ing short-dur has: 6 figure	ation voltage	pulses to the plasmoscop	oe. Orig. ar	t.
ASSOCIATION:	None	•		
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ACCESSION NR: AT4036079

8/2781/63/000/003/0353/0357

AUTHORS: Krupnik, L. I.; Shulika, N. G.

TITLE: Study of the blackening of photographic plates under the influence of a beam of positive ions

SOURCE: Konferentsiya po fizike plazmy* i problemam upravlyayemogo termoyadernogo sinteza. 3d, Kharkov, 1962. Fizika plazmy* i problemy* upravlyayemogo termoyadernogo sinteza (Plasma physics and problems of controlled thermonuclear synthesis); doklady* konferentsii, . no. 3, Kiev, Izd-vo AN UkrSSR, 1963, 353-357

TOPIC TAGS: plasmoid, plasma research, photographic emulsion, ionized plasma, ion beam, ion source

ABSTRACT: The blackening of photographic plates as a function of the number of H_1^+ , H_2^+ , H_3^+ , H_4^+ , C_{12}^+ , N_{14}^+ , and O_{16}^+ ions with energies from

Card 1/4

ACCESSION NR: AT4036079

10 to 20 keV was investigated in view of the possible use of photographic emulsions to determine qualitatively the composition of plasmoids. The ions were produced with a high-frequency ion source focused, mass analyzed, collimated, and cleared of neutral particles after which they struck the photographic plate. The measurement procedure and the apparatus are described. The plates were developed and the density measured with a microphotometer. All the ions produced saturation, indicating that all grains of the emulsion reacted with the ions and a further increase of the charge does not increase the intensity. The photographic blackening also decreases uniformly with the increasing mass. The errors of the procedure are discussed briefly. Orig. art. has: 7 figures and 2 formulas.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 21May64

ENCL: 02

SUB CODE: EM

NR REF SOV: 000

OTHER: 000

Card 2/4

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001550130009-7

ACCESSION NR: AT4036079

ENCLOSURE: 01

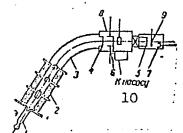
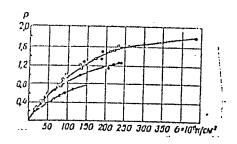


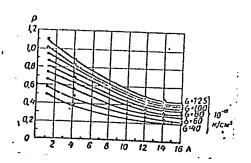
Diagram of set-up: 1 - hf ion source, 2 - three electrode lens, 3 - monochromator, 4 - diaphragm, 5 - diaphragm, 6 - condenser, 7 - Faraday trap, 8 - vacuum chamber, 9 - nuclear emulsion, 10 - to pump.

Card 3/4

ACCESSION NR: AT4036079

ENCLOSURE: , 02





Left - typical blackening vs. charge per unit area (o - H_1^+ , o - H_2^+ , Δ - H_3^+ at 20 keV). Right - dependence of blackening on the mass (the parameter is the charge per unit area)

Card 4/4

L 43912-66 EWT(1) IJP(c) AT/GD

ACC NR: AT6020405 (N) SOURCE CODE: UR/0000/65/000/000/0084/0089

AUTHOR: Krupnik, L. I.; Shulika, N. G.; Demchenko, P. A.

60

ORG: none Z/
TITLE: Behavior of plasmoids in the longitudinal magnetic field

B+1

SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters). Kiev, Naukova dumka, 1965, 84-89

TOPIC TAGS: plasmoid, plasma magnetic field, plasma diagnostics, plasma injection, plasma density, magnetic mirror

ABSTRACT: The authors report attempts to investigate the entrance of a plasmoid into an axially-symmetrical magnetic field by sounding the plasma with beams. The sounding was carried out with beams of fast particles, using a procedure described earlier (in: Diagnostika plazmy, Gostomizdat, 1963, p. 212). The experimental setup was also described in detail in the earlier paper. The plasmoid was produced with a conical source with pulsed injection of gas (Yu. S. Azovskiy et al., ZhTF v. 34, 5, 841, 1964). The magnetic field could be made homogeneous or inhomogeneous by using two or one solenoids. Measurement of the distance between the movable solenoid producing the magnetic field and the point of fast-particle sounding made it possible to determine the influence of the magnetic field on the plasmoid properties. The results show that in a field up to 2500 Oe a plasmoid with charged-particle density 10^{14} cm⁻³, bounded by a diaphragm 15 mm in dia., follows strictly the magnetic force

Card 1/2

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ACC NR: AT602	0405					0
lines, and pas	ses unchanged th rom the magnetic these condition	s. Orig.	art. has: 5	figures.	No reflection the plasmoid v	of vere
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L 43797-66 EWT(1) IJP(c) GD/AT SOURCE CODE: UR/0000/65/000/000/0188/0195

ACC NR: AT6020417 (N) SOURCE CODE: UR/0000/65/000/000/0188/0195

AUTHOR: Krupnik, L. I.; Shulika, N. G.; Demchenko, P. A.

TITLE: Determination of density, degree of ionization, and electron temperature of plasmoids by the method of fast particle beams

SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters). Kiev, Naukovo dumka, 1965, 188-195

TOPIC TAGS: plasmoid, plasma gun, plasma electron temperature , ELECTRON) DENSITY

ABSTRACT: The parameters of plasma injected from a conical gum were investigated using neutral hydrogen and proton beams of various energies. This type of probing makes it possible to determine electron density, temperature and the degree of ionization as functions of time. Electron temperature measurements were supplemented by a spectroscopic method. These measurements helped to establish a gum operation regime producing impurity-free plasma with good repeatability from shot to shot. The absorption of the heavy particle beam was found to be quite useful since the plasma dynamics of the heavy particle beam was found to be quite useful since the plasma dynamics could be followed with approximately 30% accuracy without any significant interaction to the plasma. The measurements show that the plasma ejected from the gun has a forward part consisting of pure hydrogen with about 90% ionization. Its electron temperaward part consisting of pure hydrogen with about 90% ionization.

Card 1/2

ture reached some 60 to 80 ev. The tail part of the plasma purities (70%) and its temperature was quite low. The dens about 10 ¹³ cm ⁻³ and that of the tail part about ten times tion of these quantities is shown. Orig. art. has: 1 tab SUB CODE: 20/ SUBM DATE: 11Nov65/ ORIG REF: 0	ity of the forward higher. Typical t le, 3 figures, 4 f	part was ime varia- ormulas.
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L 43796-66 EWT(1) IJP(c) GD/AT

ACC NR: AT6020418 (N) SOURCE CODE:

JRCE CODE: UR/0000/65/000/000/0195/0203

AUTHOR: Krupnik, L. I.; Shulika, N. G.; Demchenko, P. A.

61

ORG: none

B+/

TITLE: Impingement of plasmoids on a metallic surface

SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters)... Kiev, Naukovo dumka, 1965, 195-203

TOPIC TAGS: plasmoid, plasma diagnostics, plasma generator, plasma density, METAL-SURFACE

ABSTRACT: Various aspects of the problem of colliding plasmas with metallic walls were studied using a conical plasma generator injecting plasma into a channel where diagnostic measurements on plasma properties were made. At the end of the channel, a reflecting metallic surface was set at 45°. The reflected plasma diagnostics were made in the vessel behind the reflector set at 90° to the incident plasma channel. The main tools for plasma analysis was the mass spectrograph and neutral atom beam. It has been shown that in the region of 1 to 2 cm from the reflector the plasma density increased by about a factor of 10. It is not clear what mechanism is responsible for such density increase. The mean energy of the particles in the investigated plasma changes by an insignificant amount with some addition of impurities from the reflecting surface. This is in contrast to work of A. A. Kalmykov, et al (2hTF, 1964, 34,

Card 1/2

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he impurity comp ator giving the lection was not	arge peaks were found in the position was determined for most efficient operation studied in detail; its valuat) is about 1:10. Orig.	r several voltage of the reflector. lue (ratio of refl	regimes in the The coefficie Lected number o	e plasma gen ent of re-	
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	Krupnik, L. I.; Shulika, N.G.; Demchenko, P.A. 59	
rany 12.	Development of a fast particle beam plasma probing technique for investigating plasma bursts	
OURCE: 2	Zhurnal tekhnicheskoy fiziki, v. 35, no. 4, 1965, 711-716	
OPIC TA	GS: plasma diagnostics, hydrogen plasma, ion beam, atom beam, ionization particle density	
onized tom bea osatomi lonnym y Conferen paper th	The authors have previously determined the particle density in highly plasma bursts by measuring the decrease in the intensity of a hydrogen am occasioned by its traversing the plasma (Sb. "Diagnostika plazmy". Izdat, p.212, 1963; Doklad na IV Mezhdunarodnoy konferentsii po ionizats yavleniyam v gazakh, iyul', Parizh, 1963 / Report at the 4-th Internation are on Ionization Phenomena in Gases, Paris, July 1963/). In the present hey extend this method to the case in which the degree of ionization is not necessarily large, and is to be determined along with the density uisite additional information is obtained by employing two particle beam	al t not

L 49246-65

ACCESSION NR: AP5010809

(or a single composite beam) either of atoms of different energies or of atoms and ions. Measurements of hydrogen plasma bursts were performed with the apparatus described in detail in the references cited above. In one set of experiments, hydrogen plasma bursts from a conical plasma gun were traversed by a beam containing both hydrogen atoms and hydrogen ions. The beam was obtained from a proton beam by charge exchange collisions in a gas chamber and the separate constituents were detected by the method of V.V.Afrosimov et al. (ZhTF, 30, 1470, 1960) involving production of secondary electrons on targets, plastic scintillators, and photomultipliers. After passage of the highly ionized head of the burst, the ionization fell to 20%, then increased to a second maximum of 30% just before the region of maximum density, and subsequently decreased monotonically. The particle density was also measured with an electrostatic probe; the probe and particle beam measurements were in good agreement. Experiments were also performed with beams of 4 and 12 keV hydrogen atoms. These experiments are said also to have given satisfactory results, but they are only briefly described. Probe beams containing both atoms and ions are preferable to those containing only atoms of different energies, buth they cannot be employed when the plasma burst moves in a magnetic field. The cross sections for all the interaction processes between the probe-beam and plasma particles must be known; this condition is not when a hydro-

Card 2/3

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ACCESSION NR: AP501080					0	
gen plasma is probed witand 1 table.	th a hydrogen	beam. Ori	g. art. has:	4 formulas, 4	figures ;	
ASSOCIATION: None						
SUBMITTED: 20Apr64		encl: 0	0	SUB CODE: M	3	
NR REF SOV: 006	5 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OTHER: 0	01			
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11.						
Card 3/3						

s/145/60/000/009/011/01 D221/D304

Andrushevich, Yu.M., Assistent, Klebanov, M.K., Candidate of Technical Sciences, Docent, Sharapov, A.A.,

Assistent, and Shulikin, K.I., Assistent On the transient processes in a machine tool with

Izvestiya vysshikh uchebnykh zavedeniy. Mashinostarting clutches TITLE:

stroyeniye, no. 9, 1960, 104 - 112

TEXT: An experimental investigation was carried out to determine That: All experimental investigation was carried out to determine the effect of the friction clutch on transient processes in a screw the effect of the friction make achieved with the use of canacture latter made latter make achieved with the use of canacture latter made latter mad the effect of the friction clutch on transient processes in a screw cutting lathe, model 1K62. This was achieved with the use of capacitance transducer and oscillograph, and controlling the machine PERIODICAL: cutting latine, model incl. into was achieved with the use of capa citance transducer and oscillograph, and controlling the machine transducer and oscillograph, and the motor. The reduced moments by both the frictional clutch and the motor. citance transducer and oscillograph, and controlling the machine motor. The reduced moments by both the frictional clutch and the motor. The reduced moments of inertia in respect to the starting shaft (link II) and the different spindle speeds were plotted, and these demonstrate a stenferent spindle speeds were plotted. ferent spindle speeds were plotted, and these demonstrate a steprerent spinare speeds were protted, and these demonstrate a step-ped character. Minimum reduced moment of inertia and the least va-

Card 1/3

AUTHORS:

S/145/60/000/009/011/017 D221/D304

On the transient processes in ...

riation is observed with starting and stopping the motor. Starting with the friction clutch increases the maximum moment reduced to link II and lowers the torque. The presence of overdrive in the relief verse motion increases sharply the reduced moments. The ratio of nominal torque at the reduced shaft (link II with frictional clutches) to the reduced moment of inertia at n - 12.3 rpm, when starting and stopping with the friction clutch is

$$j = \frac{M_{\text{nom}}}{I_{\text{red}}} = \frac{12.0}{0.0106} \approx 1130 \text{ sec}^{-2}$$
.

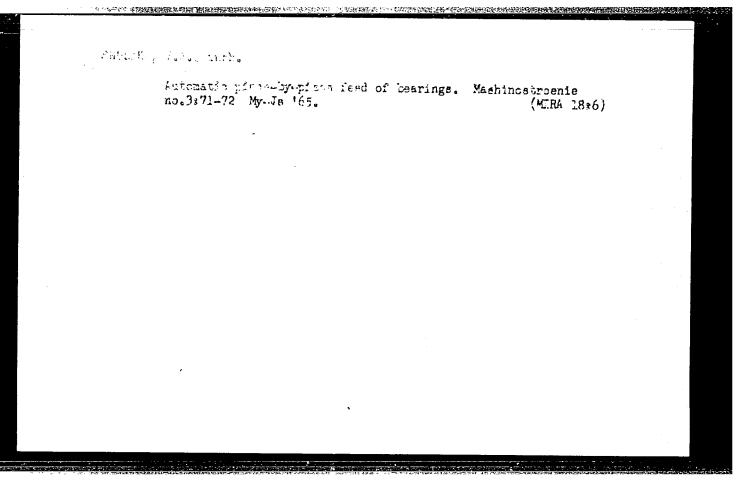
At $n_{\rm sp}=167~{\rm rpm}$, $j=43~{\rm sec}^{-2}$. During reversing at $n_{\rm sp}=12.3~{\rm rpm}$ $j=500~{\rm sec}^{-2}$. The maximum of this ratio is taking place when starting with clutch at steps that correspond to $12.3-100~{\rm rpm}$ of the spindle. The investigation permits the following conclusions: The acceleration of the drive as well as its deceleration are uniform. The same can be said about the reversal. The duration of the transient processes increases with a higher speed of the spindle, and this is marked at $700-1000~{\rm rpm}$. The mechanical brake of the lather Card 2/3

TSLAF, M.Ya., kand.tekhn.nauk, dotsent; PANOV, N.N., kand.tekhn.nauk, dotsent; SHARAPOV, A.A., inzh.; SHULIKIN, K.I., inzh.

Effect of the errors of elements of screw-cutting kinematic chains on the precision of muchined screw threads. Izv.vys.-ucheb.zav.; mashinostr. no.2:203-211 '62. (MIRA 15:5)

RUBIEV, B. Yao, inches SHOUIKA, V. A. lnch.

Automatic device for installing fuse inserts in PN-2 protection units. Energ. i elektrotekh. prom. nc.2:44-45 Ap-Je 165. (MIRA 18:8)



"APPROVED FOR RELEASE: 08/09/2001

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CIA-RDP86-00513R001550130009-7

AUTHOR:

Nosova, Z. A., and Shuliko, L. F.

TITLE:

Single-stage Baking of Glazed Facing Tiles (Odnokratnyy Obzhig

glazurovannykh oblitsovochnykh plitok)

PERIODICAL:

Steklo i Keramika, 1957, Vol. 14, No. 1, pp. 12-15 (U.S.S.R.)

ABSTRACT:

The single-stage baking of glazed facing tiles in a series of several hundred thousand pieces was conducted at temperatures of from 1230 - 1280°. This process was conducted at the Ceramic-Tile Factory imeni Bulganin (keramiko-plitochnoy zavod imeni Bulganina) and described in an article published in No. 12, 1954, of this publication. However, during the past two years in newly constructed plants equipped with continuous operation drying ovens and furnaces, the baking temperature was lowered to 1180° and 1120°, and the thickness of tiles was decreased from 6 to 5 and then to 4.5 mm. At the same time, the feldspatic hard glaze with zircon was substituted with a lead borate glaze. In connection with these changes in production, a series of tests were conducted in 1955 at the Kutoyarsk Plant of Acidproof Products, in cooperation with employees of the Scientific Research Institute for Structural Ceramics (NIIstroykeramiki), to determine some of the technological and economical aspects of this process and its possible adaptation in new plants.

Card 1/2

Single-stage Baking of Glazed Facing Tiles

Tiles of various clay compositions were glazed at a rate of 1.6 and 1 m/sec., with a glaze density of from $1.45 - 1.5 \, \mathrm{g/cm^2}$, and baked at temperatures of from $1120 - 1200^{\circ}$. The baking and cooling was performed in 30 - 35 hours. Tests results obtained from a single-stage baking of various type tiles are indicated in table No. 1. According to calculations performed by B. M. Gartsman and D. L. Sokolin (NIIstroykeramika), the single-stage baking increases the production 1.6 - 1.8 times and lowers the cost by 17 - 22%. There are no references.

ASSOCIATION:

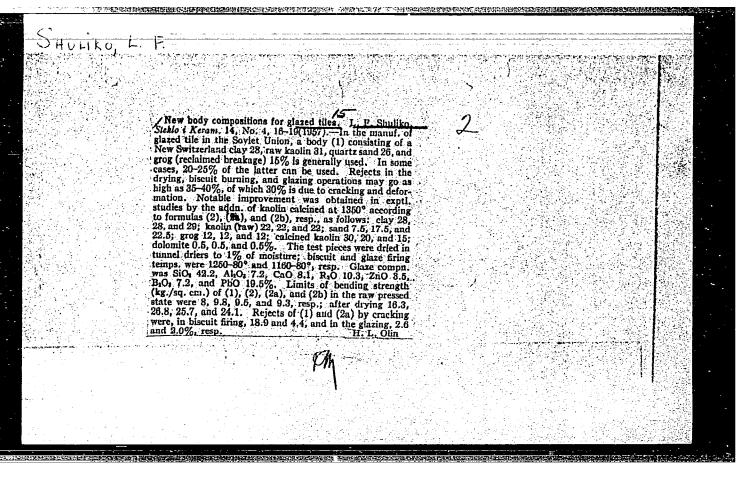
Scientific-Research Institute for Structural Ceramics (NIIstroymash)

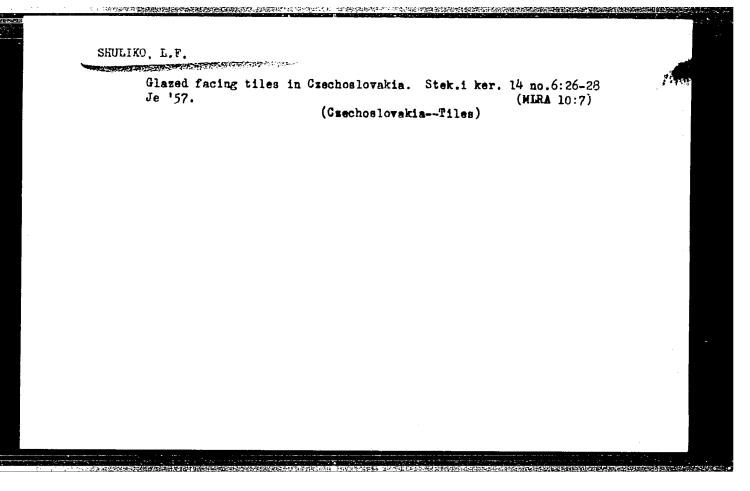
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AUTHOR:

Shuliko, L. F.

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SOV/72-58-9-17/20

TITLE:

Production of Glazed Tiles in the German Democratic Republic (Proizvodstvo oblitsovochnykh glazurovannykh plitok v GDR)

PERIODICAL:

Steklo i keramika, 1958, Nr 9, pp 43 - 44 (USSR)

ABSTRACT:

In spite of the fact that in the German Democratic Republic only raw materials of comparatively low quality are used for the production of glazed tiles they are of a quality not liable to objections. Owing to a good organization and control of production raw materials of differing composition can be used without curtailing the stability of the charges. Samples of the raw materials delivered are checked as to their texture and composition. If it stands this test to satisfaction it is stored horizontally, whereas it is extracted vertically. Thus a good mixing and an equal average composition is ensured. If the sample taken from a lot does not meet the standard, the lot is stored separately and investigated more closely. The composition of the charges in the Factory Beutzenburg as compared to that used customarily in Soviet Plants contains by 10% more of quartz and by 10% less of kaolin

Card 1/3

Production of Glazed Tiles in the German Democratic Republic SOV/72-58-9-17/20

and by 7% less of cullet. All components of the charges, with the exception of kaolin, are treated by wet grinding. Admixtures of 0,3% of BaCO₃, 0,04% of $CoSO_A$ and 0,2% of Na_2CO_3 are added. The tiles are pressed on automatic Raysman-type friction presses. The arrangement of the working place of the press operator is found to be particularly interesting, as the furnace cart is run right through to the press on a device which permits its being lifted and shifted to the right and to the left. The press operator watches the operation of the press and places the raw tiles on the bottom of the cart. One cart takes 9540 tiles with a thickness of 4 mm. The loaded cart is taken to a hot room where the raw tiles are dried at 30° to a humidity of 30° during two days. Subsequently they are dried in tunnel drying plants to a humidity of 1,5% at a temperature of 120° in the course of 60-70 hours. They are then baked in tunnel furnaces at a maximum temperature of 1280°, the baking period is 96 hours. The temperature curve is given in a figure. All work that comes after baking is carried out by continuous methods. The glaze

Card 2/3

Production of Glazed Tiles in the German Democratic SOV/72-58-9-17/20

baking is done in muffle furnaces of the system Dressler or of the system Kerabedarf, respectively. The technical data of these furnaces are given in the table. The maximum baking temperature of glaze baking is 1120-1140°, the baking period is 24-26 hours. Emphasis is laid on the good organization of the inspection of the finished products, on the good quality of the tiles, and on the low percentage of products below standard. There are 1 figure, 1 table, and 1 reference, 1 of which is Soviet.

Card 3/3

SHULIKO, L.F., kand.tekhn.nauk; POLUBOYARINOV, D.N., prof., doktor tekhn.nauk

Sintering of mullite, synthetized from highly dispersed alumina, kaolin, clay and quartz. Trudy NIIStroikeramiki no.13: 72-92 '58. (Mullite) (Chemistry, Technical)

BLOKH, G.S., kand.tekhn.nauk; SHULIKO, L.F., kand.tekhn.nauk

Technological layouts and parameters of the production of glazed facing tiles in an automated plant. Trudy NIIStroikeramiki no.16:3-14'60.

(Ceramic plants)

(Tiles)

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Mechanized flow-line production of facing tiles by casting on conveying units. Stek. i ker. 18 no.2:1-5 F '61. (MIRA 14:3)

(Tiles)

BLOKH, G.S.; SHULIKO, L.F.

Systems for an automated factory for the quick firing of facing tiles. Stek. i ker. 18 no.6:17-23 Je '61. (MIRA 14:7)

(Kilns) (Tiles)

SHULIKO, L. F., kand. tekhn nauk; YUNG EYSTER, A. B. kand tekhn nauk; GAVRILOV, N. S., inzh.

1. 1940年代特別的政策的大人。中华的特别的国

Rapid firing of tiles produced by the casting method. Trudy NIIStroikeramiki no. 19:16-22 '62. (MIRA 17:5)

SALAMATOV, I.I., inzhener; YEMAKOV, I.S., inzhener; SHAKHOV, F.N., inzhener; SHULIKO, Ya.V., inzhener.

Principles and methods of normalization and unification in machine construction for the chemical industry, Standartizatsiia no.3:9-22 My-Je '54. (MIRA 7:6)

1. NIIKhIMMASh. (Chemical engineering--Standards)

SALAMATOV, I.I., inzhemer; SHULIKO, Ya.V., inzhemer;

Service and the service of the servi

Reducing design workload by employing normalization techniques. Standartizateiia ne.6:10-21 N-D '55. (MIRA 9:2)

1.Nauchne-issledovstel'skiy institut khimicheskege mashimestreyeniya (Machinery--Design) (Standards, Engineering)

中的,我们是我们的一个人,我们就是我们的一个人,我们也不是一个人的,我们就是这个人,我们就是这些人的,我们就是我们的,我们就是我们的一个人,我们就是我们的一个人

(MLRA 10:1)

SAIAMATOV, I.I., inzhener; SHULIKO, Ya.V., inzhener.

Reasons for specialization in the chemical machinery industry.

Standartizatsiia no.6:23-25 N-D 156.

1. Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya. (Chemical apparatus—Standards)

AUTHOR: Shuliko, Ya.V., Engineer,

28-58-3-12/39

Initial Experiment in Setting up a Norm

Pervyy opyt

TITLE:

razrabotki normail)

PERIODICAL:

Standartizatsiya, 1958, Nr 3, pp 41-45 (USSR)

ABSTRACT:

Vsesoyuznyy nauchno-issledovateliskiy i konstruktorskiy institut khimicheskogo mashinostroyeniya (The All-Union Scientific Research and Design Institute of Chemical Machine Building), which is one of the base organizations for spandardization and normalization, has worked out the norm titled "Springs; Cylindrical Helical, Compression and Tension, General Use". The norm was approved and issued in March 1956. The article is a detailed consideration of this norm and its new principles, as well as indications of the faults and in∞nsistencies of the norms standards of different industrial many different cld organizations which the new norm has eliminated. The new diagram characteristic for helical springs is described and illustrated (Fig. 2). The rules of determining the coefficient of durability and the coefficient of safety are treated. The provides that springs be made only of material renew norm ceived with a supplier's certificate. There are 2 figures and

Card 1/2

Initial Experiment in Setting up a Norm

28-56-3-12/39

and 2 Soviet references.

ASSOCIATION: NIIKhIMMASh

Card 2/2 1. Helical springs—Standards 2. Standardization

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001550130009-7 产业11年。有17年17日本产品的基础的建设的企业的企业。

sov/28-59-1-2/29

AUTHORS:

Salamatov, I. I., and Shuliko, Ya. V., Engineers

TITLE:

The Trend of Normalization Work in Chemical Machine Construction (Napravleniye rabot po normalizatsii v khimicheskom

mashinostroyenii)

PERIODICAL:

Standardtizatsiya 1959, Nr 1, pp 6 - 9 (USSR)

ABSTRACT:

NIIKhIMMASH studied the standardization of containers and apparatuses for various chemical functions, and their parts. They were classified according to structural features. Parts and units used were classified into a particular group of standard elements. Percussion caps and the box type caps for fractionating columns were standardized. Tubes for all types of tubular heat-exchangers were normalized in sizes: 25 x 2; 38 x 2 and 57 x 2,5 mm. Seventeen sizes of cylindric reductors were normalized. The number of gears was more than 5 times reduced. A standard for the air collectors for air compressors was created, specified and submitted for approval. The Standardization of mixers and their drives is now being studied. Nine catalogs on standardized chemical machines and accessories have been issued. The construction of new

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 $$\rm SGV/28\text{-}59\text{-}1\text{-}2/29$$, The Trend of Normalization Work in Chemical Machine Construction

plants for the production of chemical machinery is planned in view of the estimated 3.3 - 3.5 time production increase. A standardization plan is now being elaborated by

ASSOCIATION: NIIKEIMMASE

Card 2/2

S/028/60/000/06/04/028 B012/B005

AUTHOR:

Methods and Standards of Calculating the Strength of

TITLE:

Containers and Apparatus

Standartizatsiya, 1960, No. 6, pp. 13 - 16

TEXT: A conference on methods and standards of calculating the strength PERIODICAL: of containers and apparatus was held by the Vsesoyuznyy nauchno-issle-dovatel skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya (All-Union Scientific Research Institute of Chemical Machine Construction; abbreviated: NIIKhIMMASh) late in 1958. It was decided to work out a unified standard in two steps. A technical instruction containing theoretical, experimental, and empirical material is to be issued in 1961, and in 1963 this material is to be transformed into standards. For this purpose, a commission was established consisting of representatives of the leading scientific research organizations. The results of their work are to be coordinated and generalized at the laboratoriya prochnosti (Laboratory of Strength) of the NIIKhIMMAShA, The first part of the

Card 1/3

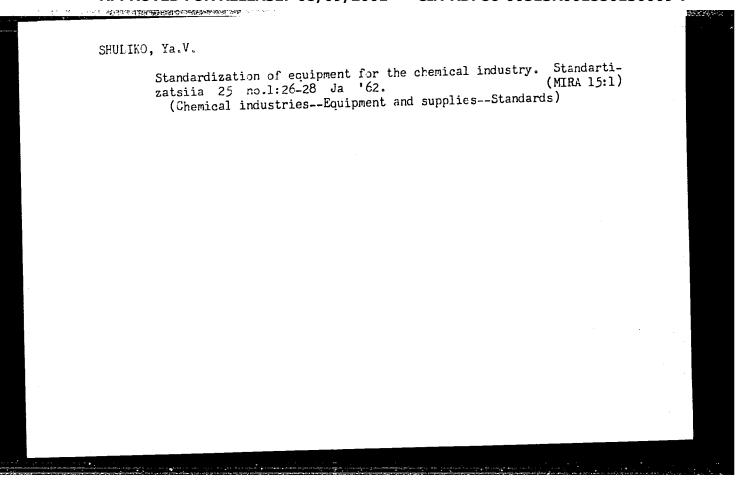
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Methods and Standards of Calculating the Strength of Containers and Apparatus

s/028/60/000/06/04/028 BO12/BO05

technical instruction (abbreviated: PTM = RTM) was handed to enterprises in March 1960. It contains the calculating methods recommended by the TsKTI (Tsentral'nyy kotleturbinnyy institut im. Polzunova (Central Boiler Turbine Institute imeni Polzunov)) according to the "Standards for Calculating the Strength of Steam Boilers" approved by the Gosgortekhnadzor in 1956. The comparative values for the permissible external pressure of cylindrical shells correspond to the British standards and the US Code. The methods and standards worked out apply to the calculation of elements of cylindrical containers and apparatus made of carbon steels and steel alloys for chemical, petroleum-chemical, petroleum-processing, and similar industrial branches. They are applied to seamless and welded container elements working under pressure. The durability of strength is determined by experiments over 7,000 hours. The author indicates the maximum value of the coefficient 9 for the strength of seams which lies between % = 1 and % = 0.7. Depending on the application of boilers under chemical-technological conditions, a correction coefficient \(\gamma\) is introduced (Table p.14). The wall thickness with given internal pressure is computed by formula (1), the permissible working pressure with given wall thickness by formula (2); the wall

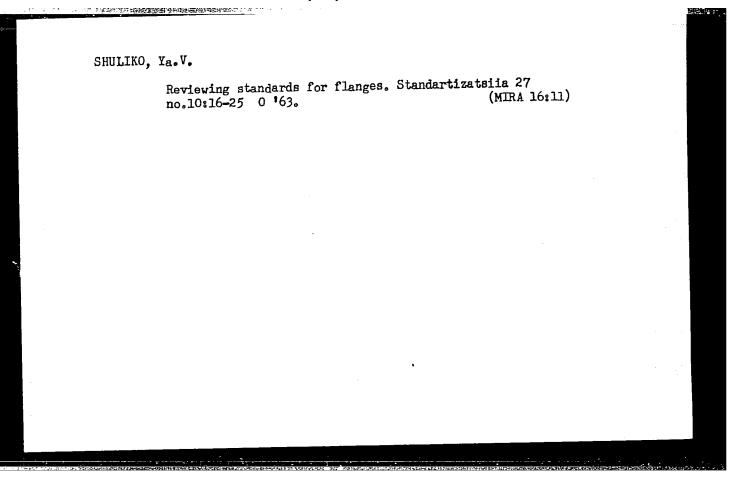
Card 2/3

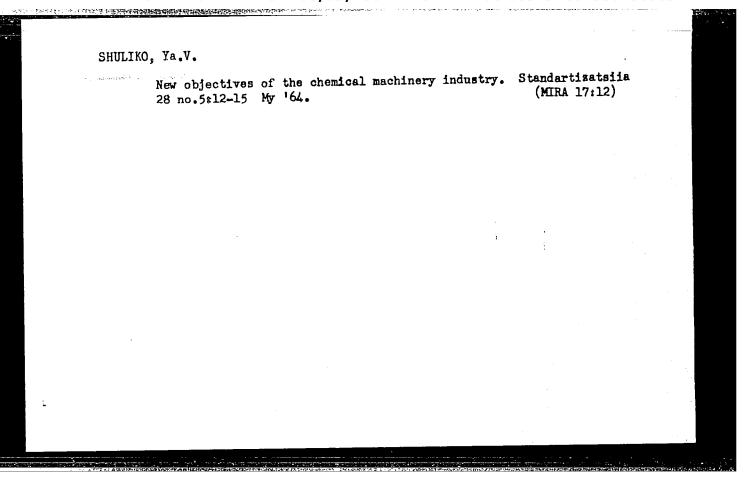


SHULIKO, Ya.V.

Introducing new methods for the strength calculation of parts and units. Standartizatsiia 27 no.5:15-17 My 163. (MIRA 16:6)

(Pressure vessels-Standards)





SHULIKOVSKIY, S.

Economic efficiency of using 25-ton dump trucks. Avt.transp. 37 no.3:34 Mr '59. (MIRA 12:4)

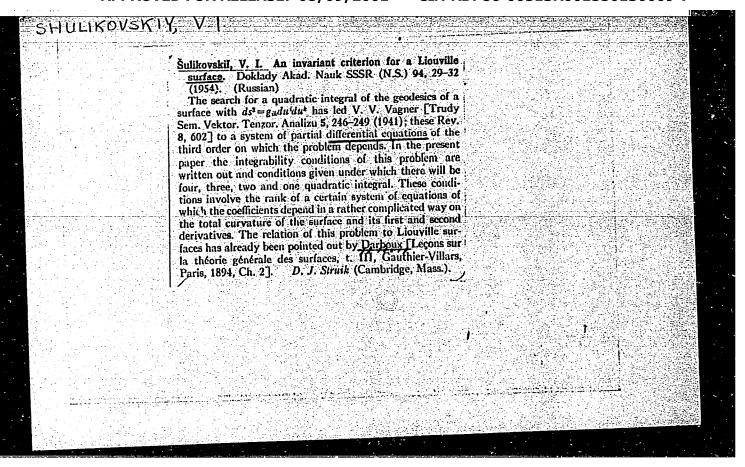
1. Nachal'nik avtotransportnogo upravleniya stroitel'stva īrkutskoy gidroelektrostantsii.

(Dump trucks)

ROT: V.G., LEPTEV, H.L.; SHIBOKOV, A.P.; SHULIKOUSKIY, V.T.

Aleksandr Petrovich Norden, 1904, on his 60th birthday. Usp.

mat. nauk 19 no.5:171-179 S-0 *64.



ShuliKovsKiy, V.I.

USSR/Mathematics

Pub. 22 - 9/47 Card 1/1

Shulikovskiy, V. I. Authors

Invariant characteristics of metrical properties of a spiral surface Title

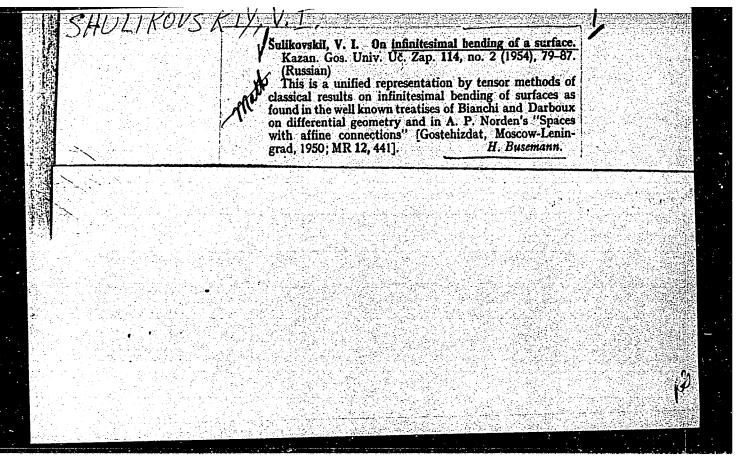
Periodical : Dok. AN SSSR 99/1, 35-36, Nov 1, 1954

A proof that metrical properties of spiral surfaces have invariant charac-Abstract

teristics is given. Two Russian references (1952).

Institution : Kazan State University im. V. I. Lenin-Ul'yanov

Presented by: Academician P. S. Alexandroff, June 11, 1954



SHULIKOVSKIY, V.I. Affine classification of surfaces with an infinite number of transfer networks. Dokl.AN SSSR 105 no.3:430-432 N '55. (MLRA 9:3) 1. Predstavleno akademikom P.S. Aleksandrovym. (Surfaces)

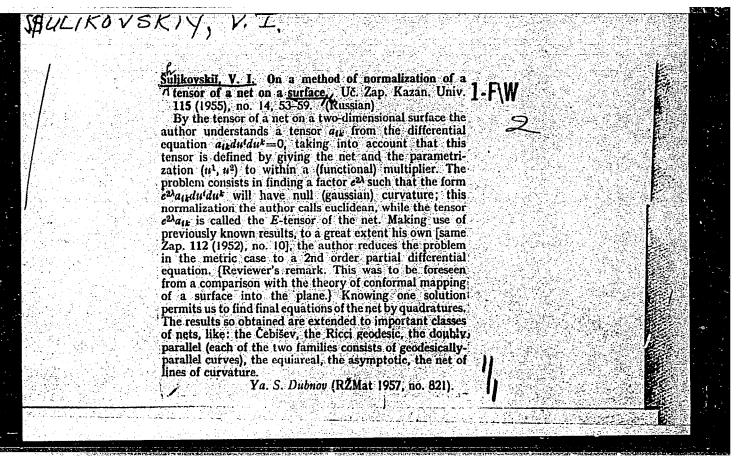
SHULIKOVSKIY, V.I. (Kazan')

Transfer surfaces. Uch.zap.Kaz.un. 115 no.10:19-20 '55.
(MLRA 10:5)

(Geometry, Modern)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001550130009-7



sov/44 - 58 - 4 - 3226

Translation from: Referativnyy zhurnal, Matematika, 1958, Nr 4, p 126 (USSR)

AUTHOR: Shulikovskiy, V. I.

and the state of t

TITLE: A Tensor Presentation of the Method of a Moving Trihedral of a Surface in E3 (Tenzornoye izlozheniye metoda podvizhnogo trekhgranika poverkhnosti v E3)

PERIODICAL: Uch. zap. Kazanskogo gos. ped. un-ta, 1955, 115, Nr 14, pp 61-68

ABSTRACT: A tensor interpretation is given of the fundamental concepts and operations of the method of exterior forms for the case of a two-dimensional region. Resolving the derivatives of a radius-vector of a point of a surface and of position vectors of a moving trihedral connected with the surface, in the direction of a position vector of this trihedral, and writing the conditions of the integrability of the derived equations, the author derives

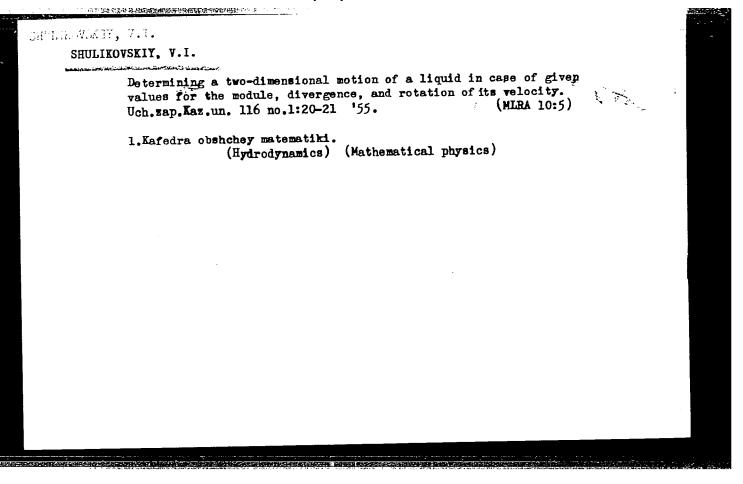
Card 1/2

sov/44 - 58 - 4 - 3226

an expression for the transversal vector (RZhMat, 1957, 821), the equation of Gauss and Peterson-Codazzi. In the appendix are examined certain known properties of cyclic systems and of surfaces of the centers of curvature, and the solution is given for the Bianchi problem to find the surface in the tangential planes of which it is possible to place (22 Pays of the congruence which forms with the congruence of the normals of the surface a completely fibred pair.

A. I. Sirota

Card 2/2



SHULLING VOKIN, V. L AF 1108825 Call Nr: Transactions of the Third All-union Mathematical Congress *(Cont.) Moscow Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp. Fedenko, A. S. (Minsk). On the Theory of Symmetrical Spaces. 174-175 There are 2 references, 1 of which is USSR, and the other French. Shveykin, P. I. (Moscow). Affine-invariant Development. . 175 Mention is made of Laptev. G. F. Shirokov A. P. (Kazan'). Projective Interpretation of 176 Conformly Euclidean Symmetrical Spaces. Shulikovskiy, V. I. (Kazan'). On a Generalization of 176 Killing Equations and Imprimitive n-Webs. Mention is made of Yegorov, D. F. Shcherbakov, R. N. (Ulan-Ude). Yegorov's Transformations 176-177 in the Theory of Congruences. Card 56/80

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PHASE I BOOK EXPLOITATION

SOV/5726

Moscow. Universitet.

CALIFICATE OF PARTICIONAL STANDAR SERVICE DE LA SECULIA DE LA CALIFORNIA D

- Trudy seminara po vektornomu i tenzornomu analizu s ikh prilozheniyami k geometrii, mekhanike i fizike. vyp. 11. (Transactions of the Seminar on Vector and Tensor Analysis With Their Application in Geometry, Mechanics, and Physics. no. 11) [Moscow] 1961. 314 p. 2,500 copies printed.
- Sponsoring Agency: Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova.
- Ed. (Title page): P. K. Rashevskiy, Professor; Ed.: V. A. Gukovskaya; Tech. Ed.: K. S. Chistyakova.
- PORFOSE: This book is intended for theoretical physicists, mathematicians, and engineers.
- COVERAGE: The book contains reports presented at the Seminar on Vector and Tensor Analysis (Moscow, 1961), includes an annotated

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Transactions of the Seminar (Cont.)

是这种种种的,我们就是这种种的,我们就是这种的,我们就是这种的,我们也是这种的,我们就是这种,我们就是这种的,我们就是这种的,我们就是这种的,我们就是这种的。

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bibliography of some reports presented at Seminar meetings over the period 1 July 1954 through 31 December 1957, and reviews the life and works of Yakov Semenovich Dubnov (1887-1957), senior member and cofounder (with V. F. Kagan and others) of the Seminar. Professor Dubnov's contributions to mathematics are reviewed in some detail and include his teaching of analytical and differential geometry with the application of vector analysis and works on problems in the algebra of affinors. Dubnov also wrote fishovy vektornogo ischisleniya (Principles of Vector Calculus), studied the general theory of nets on surfaces, and worked on studies of different types of nets and invariant characteristics of nets on surfaces, the central projective and affine theory of curves and surfaces, and related subjects. A chronological bibliography of his publications is included. The biographical sketch of Professor Dubnov was written by V. V. Vagner and A. M. Lopshits. No personalities are mentioned. References accompany individual articles.

Card 2/5